

Morbidity and Mortality

Weekly
Report



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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended December 15, 1956

EPIDEMIOLOGICAL REPORTS

Diarrheal disease

Dr. R. C. Boylan, Colorado State Department of Public Health, has supplied information on the high incidence of diarrheal disease in an urban area of the State. A relatively high incidence was first reported from military establishments located in the city. A high rate of absenteeism due to gastro-enteritis at these facilities was noted and the possibility of water dissemination was considered. However, cultures of stool specimens revealed no recognized pathogenic bacteria, including pathogenic *Escherichia coli*. An epidemiologic investigation, which included a random sample of families in the area, indicated no significant difference in attack rates of persons using the city water supply and those using other sources. An attack rate of about 14 percent in the civilian population was essentially the same as that found in personnel of the military establishments.

Although the city water supply is substandard and in recent months, bacteriologic studies have shown enteric contaminants and chemical tests have indicated low chlorine residuals, the recent high incidence of diarrheal disease on the basis of the epidemiologic investigation was considered to be a type of viral gastro-enteritis. The water supply did not appear to be the means of transmission of the infection.

Human rabies

Dr. A. M. Washburn, Arkansas State Board of Health, has reported a fatal case of encephalitis in a 78-year-old woman. She entered a hospital in Tennessee where a clinical diagnosis of encephalopathy of undetermined etiology was made. A post-mortem examination revealed that the cause of death was rabies encephalitis. It was reported that the woman was bitten on the leg by her pet cat 7 weeks prior to onset of her illness. The cat has not been seen since.

Rabies in animals

The Ohio Department of Health has reported 220 cases of rabies in animals during the first 11 months of 1956. This is a third more than the number (168) for the same period in 1955, and almost double the 116 cases reported in 1953. In 1954, the total was 161. Of the total this year, 148 cases have been in 11 counties along and near the southern border of the State.

Psittacosis

Dr. R. F. McAteer, Rhode Island Department of Health, has reported a case of psittacosis in an adult female. This woman became ill, complained of a cough, was admitted to a hospital, and apparently had typical pleurisy. However, chest X-ray findings were negative. Laboratory findings were all essentially negative although a virus type of disease was suspected. Paired sera sent to the Virus and Rickettsial Laboratory, PHS, Montgomery, Alabama, showed a fourfold rise in complement fixation titer for psittacosis. The patient gave no history of being near or handling parakeets. Pigeons were in the vicinity of her home and droppings were numerous outside her window. This was considered the source of infection since no other was determined.

Dr. E. J. Witte, Pennsylvania State Department of Health, has reported a case of psittacosis in a 36-year-old woman. She was employed by a department store and worked at a counter where pet birds were sold. Diagnosis was based on clinical symptoms and a complement fixation titer of 1:64 for psittacosis. Birds in the store originated from a New York distributor. The birds handled by the patient had been sold and could not be traced.

Botulism

The Los Angeles County (California) Health Department has reported a case of botulism in a 47-year-old woman who ate home-canned potatoes. None of the potatoes were available for laboratory tests and the jar had been washed and ready for re-use. Washings from the jar showed negative results. Laboratory examination of the contents of an unopened jar also showed negative results. The woman became ill the day following ingestion of the potatoes, and died 10 days later. The diagnosis of botulism was made on the basis of clinical and pathological findings.

The Fresno County (California) Health Department has reported a case of botulism in a man who ate some pickled pigs feet. This man went to work one Tuesday but was sent home because he had a headache, vomited, and was staggering. The next day he was unable to report to work and his caretaker took him to a hospital, but a physician was not available. The caretaker became alarmed and took the man to see a private physician who performed a spinal tap and found it negative. Later, the man was found dead. An autopsy performed showed some pathological changes in a section of the intestine suggestive of food poisoning. A specimen of the food was submitted for laboratory tests. The specimen was highly contaminated with organisms and the presence of botulism toxin was not demonstrated. However, a heat labile toxin has been isolated.

Gastro-enteritis

Dr. Maynard H. Mires, Vermont Department of Health, has reported 2 outbreaks of gastro-enteritis—both associated with improper food handling practices in school lunch programs. In the first, 80 percent of the 114 students in a school became ill 3 hours after eating egg salad sandwiches. The sandwiches had been prepared the night before and were left unrefrigerated. An investigation revealed that one of the food handlers had an infected lesion on her thumb at the time she cut up the eggs. Hemolytic *Staphylococcus aureus* was isolated from the egg salad. The second outbreak was in a small rural school where 6 students and their teacher became ill from 8 to 18 hours after eating lunch. This meal consisted of hamburger, gravy, and mashed potatoes. The hamburger had been handled a great deal and paracolon organisms have been isolated from it. The same organisms were isolated from stool specimens from the patients.

The Missouri Department of Health has reported an outbreak of gastro-enteritis affecting about half of the 435 students and staff in a school. Vomiting, diarrhea, and abdominal cramps occurred from 4 to 6 hours after a noon meal. Inadequate refrigeration of some of the food consumed was noted, and *S. aureus* was recovered from a specimen of turkey, dressing,

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and gravy. One of the cooks had loose stools the day before the outbreak but stool cultures taken 5 days later were negative.

Dr. R. F. McAteer has also reported an outbreak of gastro-enteritis among 1,200 persons in a school in Rhode Island. Of these, 24 became ill from 22 to 24 hours after eating turkey and gravy at the school. The gravy had been made 24 hours earlier and was left unrefrigerated. No food was available for laboratory tests.

The California State Department of Public Health has reported an outbreak of gastro-enteritis among persons in an industrial plant. The plant cafeteria has modern facilities and has always been found satisfactory when examined by the local

health department. Twenty-two cases were reported—6 from 1 shift and 16 from another 2 days later. The illnesses were characterized by nausea, diarrhea, and cramps, but no vomiting, from $\frac{1}{2}$ to 3 hours after eating roast beef, which was served to both groups. At first it was thought to be a malicious act of a cook who had been discharged on the day of the original outbreak. However, no evidence was obtained to substantiate this suspicion. Although the offending food has been established as the roast beef, laboratory tests failed to establish the etiology. Several sources of chemical poisoning were investigated but none could be definitely implicated. Bacteriological studies were also made, but with negative results.

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: CONTINENTAL UNITED STATES
(Numbers after diseases are category numbers of the Sixth Revision of the International Lists, 1948)

DISEASE	50th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Dec. 15, 1956	Ended Dec. 17, 1955	Median 1951-55	First 50 weeks			Since seasonal low week			
				1956	1955	Median 1951-55	1955-56	1954-55	Median 1950-51 to 1954-55	
Anthrax-----062	-	-	-	36	27	32	(¹)	(¹)	(¹)	(¹)
Botulism-----049.1	-	-	---	12	9	---	(¹)	(¹)	(¹)	(¹)
Brucellosis (undulant fever)-----044	21	8	---	1,065	1,202	---	---	---	---	---
Diphtheria-----055	62	66	66	1,524	1,930	2,308	698	1,221	1,256	July 1
Encephalitis, infectious-----082	26	23	16	2,155	1,446	1,446	1,526	886	886	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	332	455	---	18,539	30,521	---	---	---	---	---
Malaria-----110-117	4	8	---	231	472	---	(¹)	(¹)	(¹)	(¹)
Measles-----085	3,875	2,735	4,120	605,108	539,918	539,918	28,414	21,519	27,493	Sept. 1
Meningococcal infections-----057	49	74	79	2,607	3,360	3,987	642	789	997	Sept. 1
Meningitis, other-----340	50	---	---	1,572	---	---	---	---	---	---
Poliomyelitis-----080	100	178	288	15,226	28,994	35,562	14,159	27,931	33,981	Apr. 1
Psittacosis-----096.2	8	1	---	489	266	---	(¹)	(¹)	(¹)	(¹)
Rabies in man-----094	-	-	1	8	5	13	(¹)	(¹)	(¹)	(¹)
Smallpox-----084	-	-	-	-	-	5	(¹)	(¹)	(¹)	(¹)
Typhoid fever-----040	23	30	30	1,731	1,676	2,229	1,418	1,369	1,823	Apr. 1
Typhus fever, endemic-----101	2	-	---	103	129	---	(¹)	(¹)	(¹)	(¹)
Rabies in animals-----	78	88	140	4,549	4,917	6,983	797	882	1,300	Oct. 1

¹Frequencies are too small.

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from health departments of each State and of Alaska, Hawaii, and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cases of anthrax, botulism, rabies in man, and smallpox are not shown in table 2,

but a footnote to table 1 shows the States making the reports. In addition, when diseases of rare occurrence (cholera, dengue, plague, relapsing fever—louse borne, typhus fever—epidemic, and yellow fever) are reported, they will be noted at the end of table 1.

Symbols.—1 dash [-]: no cases reported; 3 dashes [---]: data not available.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 17, 1956 AND DECEMBER 15, 1956

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	BRUCELLOSIS (UNDULANT FEVER) 044		DIPHTHERIA 055				ENCEPHALITIS, INFECTIOUS 082		HEPATITIS, INFECTIOUS, AND SERUM 092,N998.5 pt.			
			50th week		Cumulative first 50 weeks				50th week		Cumulative first 50 weeks	
	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955
CONT. UNITED STATES-----	21	8	62	66	1,524	1,930	26	23	332	455	18,539	30,521
NEW ENGLAND-----	-	-	1	-	16	23	2	-	8	29	1,162	2,675
Maine-----	-	-	-	-	-	-	-	-	4	8	294	369
New Hampshire-----	-	-	-	-	1	-	-	-	-	2	33	84
Vermont-----	-	-	-	-	-	2	-	-	-	9	160	252
Massachusetts-----	-	-	1	-	15	21	2	-	1	3	297	889
Rhode Island-----	-	-	-	-	-	-	-	-	1	5	136	371
Connecticut-----	-	-	-	-	-	-	-	-	2	2	242	710
MIDDLE ATLANTIC-----	-	1	1	1	65	60	5	7	61	74	3,932	7,555
New York-----	-	1	-	1	20	39	4	7	41	43	2,121	4,121
New Jersey-----	-	-	-	-	24	6	1	-	2	4	367	482
Pennsylvania-----	-	-	1	-	21	15	-	-	18	27	1,444	2,952
EAST NORTH CENTRAL-----	6	5	19	4	328	138	2	6	74	70	2,846	4,289
Ohio-----	-	-	-	2	18	39	-	-	7	13	695	761
Indiana-----	-	-	-	1	92	35	-	-	10	5	378	583
Illinois-----	6	2	-	1	8	11	1	5	17	9	675	1,001
Michigan-----	-	3	19	-	208	50	1	-	27	20	778	1,209
Wisconsin-----	-	-	-	-	2	3	-	1	13	23	320	735
WEST NORTH CENTRAL-----	9	-	2	2	131	206	1	2	29	31	1,463	3,472
Minnesota-----	-	-	-	-	26	56	-	-	11	12	480	1,242
Iowa-----	-	-	1	-	18	10	-	-	8	7	368	932
Missouri-----	1	-	-	-	14	14	-	2	1	1	95	334
North Dakota-----	-	-	-	1	10	2	-	-	5	6	136	307
South Dakota-----	1	-	1	-	11	45	-	-	2	4	177	354
Nebraska-----	4	-	-	-	34	76	-	-	2	-	97	81
Kansas-----	3	-	1	-	18	3	1	-	-	1	110	222
SOUTH ATLANTIC-----	1	1	14	16	375	665	1	2	15	15	1,181	2,537
Delaware-----	-	-	-	-	-	1	-	-	-	-	31	46
Maryland-----	-	-	-	1	2	14	-	-	1	5	90	354
District of Columbia-----	-	-	-	-	1	2	-	-	-	-	21	41
Virginia-----	-	-	1	1	31	38	-	1	3	7	472	1,033
West Virginia-----	-	-	-	-	8	19	-	-	3	-	67	239
North Carolina-----	-	1	2	-	68	85	-	1	4	1	123	324
South Carolina-----	-	-	-	-	85	192	-	-	2	-	65	79
Georgia-----	1	-	5	5	82	230	-	-	1	1	160	169
Florida-----	-	-	6	9	98	84	1	-	1	1	152	252
EAST SOUTH CENTRAL-----	1	-	14	24	208	421	5	2	25	50	1,632	1,675
Kentucky-----	-	-	3	-	17	46	2	-	17	16	517	343
Tennessee-----	1	-	-	1	23	40	1	2	6	18	689	648
Alabama-----	-	-	10	23	111	285	-	-	1	5	204	299
Mississippi-----	-	-	1	-	57	50	2	-	1	11	222	385
WEST SOUTH CENTRAL-----	2	1	4	12	291	334	2	2	16	33	1,323	1,796
Arkansas-----	1	-	-	-	22	11	-	-	3	-	145	221
Louisiana-----	1	-	1	6	37	46	-	-	3	6	138	127
Oklahoma-----	-	-	-	-	59	29	1	-	4	5	107	189
Texas-----	-	1	3	6	173	248	1	2	6	22	933	1,259
MOUNTAIN-----	-	-	7	-	56	22	1	-	55	81	1,614	2,529
Montana-----	-	-	-	-	4	5	-	-	14	15	381	455
Idaho-----	-	-	-	-	1	-	-	-	3	6	198	264
Wyoming-----	-	-	-	-	7	-	-	-	9	2	115	152
Colorado-----	-	-	-	-	3	2	-	-	5	8	356	502
New Mexico-----	-	-	7	-	32	4	1	-	16	2	163	338
Arizona-----	-	-	-	-	6	8	-	-	7	47	316	721
Utah-----	-	-	-	-	3	1	-	-	1	1	76	74
Nevada-----	-	-	-	-	-	2	-	-	-	-	9	23
PACIFIC-----	2	-	-	7	54	61	7	2	49	72	3,386	3,993
Washington-----	-	-	-	-	12	25	-	-	7	8	608	854
Oregon-----	-	-	-	-	11	-	-	-	11	18	674	1,062
California-----	2	-	-	7	31	36	7	2	31	46	2,104	2,077
Alaska-----	-	-	-	-	36	-	-	-	4	-	188	361
Hawaii-----	-	-	-	-	-	-	-	-	-	1	55	43
Puerto Rico-----	-	-	3	3	81	68	-	-	3	1	229	83

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 17, 1955 AND DECEMBER 15, 1956—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	POLIOMYELITIS 080								MALARIA		MEASLES	
	Total ¹				Paralytic		Nonparalytic		110-117		085	
	50th week		Cumulative first 50 weeks		080.0,080.1		080.2		110-117		085	
	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955
CONT. UNITED STATES-----	100	178	15,226	28,994	53	83	26	55	4	8	3,875	2,735
NEW ENGLAND-----	2	9	251	5,519	1	1	1	3	-	1	154	49
Maine-----	-	-	22	204	-	-	-	-	-	-	11	6
New Hampshire-----	-	2	3	224	-	-	-	-	-	-	-	-
Vermont-----	-	-	21	124	-	-	-	-	-	-	15	7
Massachusetts-----	-	5	110	3,898	-	1	-	1	-	-	48	33
Rhode Island-----	-	-	9	417	-	-	-	-	-	1	-	1
Connecticut-----	2	2	86	652	1	-	1	2	-	-	80	2
MIDDLE ATLANTIC-----	7	26	1,205	4,213	3	10	-	8	-	-	675	312
New York-----	5	19	789	2,783	3	9	-	6	-	-	381	166
New Jersey-----	-	4	210	682	-	1	-	2	-	-	83	45
Pennsylvania-----	2	3	206	748	-	-	-	-	-	-	211	101
EAST NORTH CENTRAL-----	18	35	4,103	6,801	8	8	5	13	-	-	553	324
Ohio-----	4	13	622	1,277	2	2	-	1	-	-	84	43
Indiana-----	4	6	422	448	2	2	2	2	-	-	78	10
Illinois-----	3	1	1,833	1,389	2	-	-	-	-	-	102	24
Michigan-----	3	5	674	1,185	1	-	2	5	-	-	184	192
Wisconsin-----	4	10	552	2,502	1	4	1	5	-	-	105	55
WEST NORTH CENTRAL-----	9	17	1,703	2,130	4	8	3	4	-	-	170	290
Minnesota-----	-	5	204	595	-	3	-	2	-	-	65	4
Iowa-----	-	1	628	552	-	-	-	-	-	-	45	38
Missouri-----	2	-	421	273	-	-	1	-	-	-	16	11
North Dakota-----	1	3	38	65	-	1	1	-	-	-	36	60
South Dakota-----	-	4	38	80	-	2	-	2	-	-	4	-
Nebraska-----	6	-	187	283	4	-	1	-	-	-	4	4
Kansas-----	-	4	187	282	-	2	-	-	-	-	-	173
SOUTH ATLANTIC-----	12	14	1,492	2,399	6	8	3	4	2	1	299	356
Delaware-----	-	-	27	57	-	-	-	-	-	-	5	-
Maryland-----	1	-	108	278	1	-	-	-	-	-	7	143
District of Columbia-----	-	-	11	52	-	-	-	-	-	-	1	6
Virginia-----	-	3	230	323	-	2	-	1	1	-	38	97
West Virginia-----	-	-	111	184	-	-	-	-	-	-	78	39
North Carolina-----	4	7	333	460	2	4	2	2	-	-	23	19
South Carolina-----	3	-	111	309	2	-	-	-	-	-	42	8
Georgia-----	1	-	197	270	1	-	-	-	1	-	44	35
Florida-----	3	4	364	466	-	2	1	1	-	1	61	9
EAST SOUTH CENTRAL-----	4	3	736	1,030	2	2	-	1	-	-	666	77
Kentucky-----	1	2	196	425	1	2	-	-	-	-	243	46
Tennessee-----	1	-	151	242	1	-	-	-	-	-	316	11
Alabama-----	2	1	96	180	-	-	-	1	-	-	94	6
Mississippi-----	-	-	293	183	-	-	-	-	-	-	13	14
WEST SOUTH CENTRAL-----	20	20	2,392	2,772	18	11	2	6	-	4	425	425
Arkansas-----	2	2	216	186	1	2	1	-	-	-	42	54
Louisiana-----	3	3	615	379	3	2	-	1	-	-	9	-
Oklahoma-----	2	1	223	298	2	-	-	-	-	-	7	49
Texas-----	13	14	1,338	1,909	12	7	1	5	-	4	367	322
MOUNTAIN-----	9	5	828	1,094	4	4	1	1	-	-	367	420
Montana-----	2	-	54	155	2	-	-	-	-	-	73	99
Idaho-----	1	-	110	255	-	-	-	-	-	-	6	9
Wyoming-----	1	-	37	35	1	-	-	-	-	-	8	27
Colorado-----	2	2	160	224	1	2	1	-	-	-	30	133
New Mexico-----	2	2	82	133	-	1	-	1	-	-	76	2
Arizona-----	-	1	129	130	-	1	-	-	-	-	28	103
Utah-----	1	-	222	81	-	-	-	-	-	-	133	6
Nevada-----	-	-	34	81	-	-	-	-	-	-	13	1
PACIFIC-----	19	49	2,516	3,036	7	31	11	15	2	2	566	482
Washington-----	1	5	186	533	-	1	-	1	-	1	193	80
Oregon-----	3	11	171	440	-	8	3	3	1	-	54	26
California-----	15	33	2,159	2,063	7	22	8	11	1	1	319	376
Alaska-----	-	-	12	59	-	-	-	-	-	-	10	12
Hawaii-----	1	4	68	175	1	3	-	1	-	-	406	6
Puerto Rico-----	-	-	51	443	-	-	-	-	-	-	48	87

¹Includes cases not specified by type, category number 080.3.

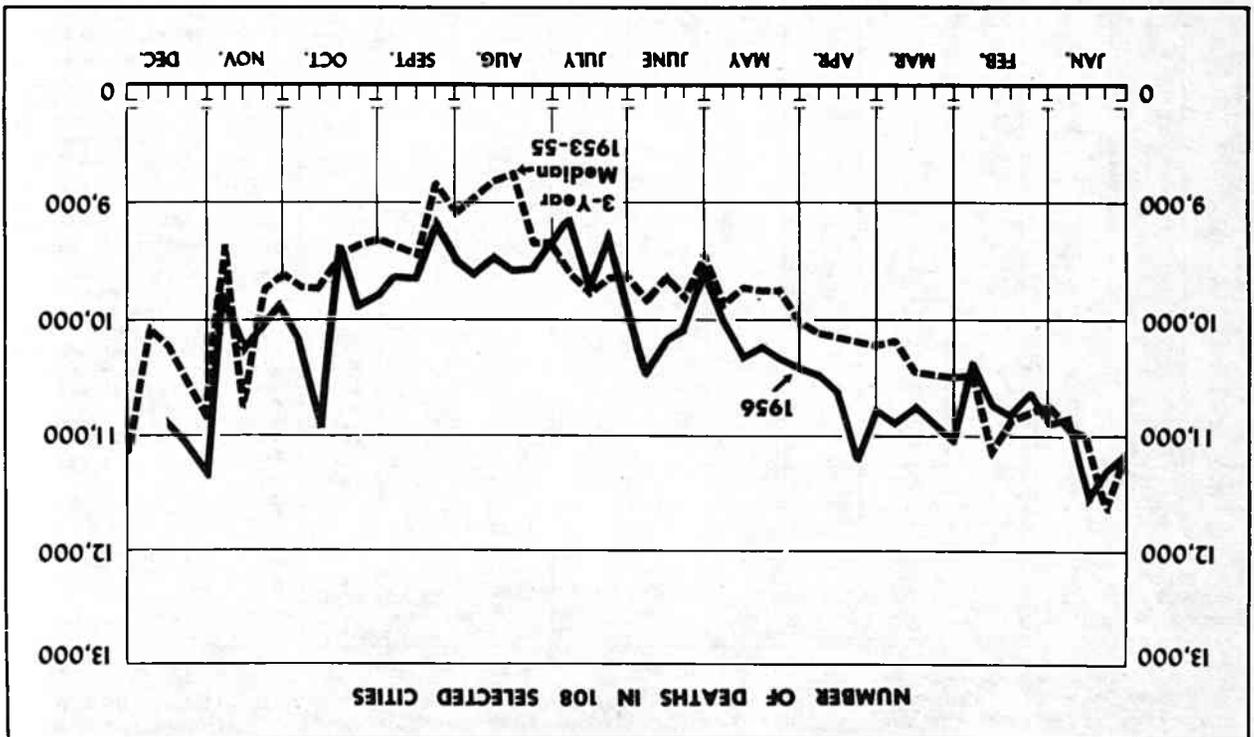
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 17, 1955 AND DECEMBER 15, 1956—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTACOSIS		TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
	057		340	096.2		50th week		Cumulative first 50 weeks		101		
	1956	1955	1956	1956	1955	1956	1955	1956	1955	1956	1956	1955
CONT. UNITED STATES-----	49	74	50	8	1	23	30	1,731	1,676	2	78	88
NEW ENGLAND-----	6	5	10	2	-	1	-	56	35	-	-	-
Maine-----	-	-	-	-	-	-	-	17	6	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	1	-	-	-	-	-	3	1	-	-	-
Massachusetts-----	2	4	5	-	-	-	-	17	14	-	-	-
Rhode Island-----	1	-	5	1	-	-	-	6	3	-	-	-
Connecticut-----	3	-	-	1	-	1	-	13	11	-	-	-
MIDDLE ATLANTIC-----	3	20	-	-	-	-	9	205	180	-	4	8
New York-----	2	14	-	-	-	-	2	58	44	-	4	8
New Jersey-----	-	-	-	-	-	-	-	32	28	-	-	-
Pennsylvania-----	1	6	-	-	-	-	5	115	108	-	-	-
EAST NORTH CENTRAL-----	10	11	11	2	-	4	1	227	162	-	14	3
Ohio-----	1	1	-	1	-	1	-	60	71	-	7	3
Indiana-----	1	5	5	-	-	-	-	30	23	-	4	-
Illinois-----	2	1	6	-	-	1	-	37	33	-	-	-
Michigan-----	4	2	-	-	-	2	1	55	27	-	2	-
Wisconsin-----	2	2	-	1	-	-	-	45	8	-	1	-
WEST NORTH CENTRAL-----	5	4	2	-	1	1	3	203	106	-	12	13
Minnesota-----	-	-	-	-	1	-	-	37	7	-	9	1
Iowa-----	1	-	1	-	-	-	-	61	27	-	-	9
Missouri-----	1	1	-	-	-	1	3	70	53	-	3	3
North Dakota-----	3	2	-	-	-	-	-	6	-	-	-	-
South Dakota-----	-	1	-	-	-	-	-	3	13	-	-	-
Nebraska-----	-	-	-	-	-	-	-	13	4	-	-	-
Kansas-----	-	-	1	-	-	-	-	13	2	-	-	-
SOUTH ATLANTIC-----	7	10	8	1	-	5	5	282	306	2	18	23
Delaware-----	2	-	-	-	-	-	-	4	2	-	-	-
Maryland-----	-	1	1	-	-	1	-	19	21	-	-	-
District of Columbia-----	-	-	1	-	-	-	-	12	6	-	-	-
Virginia-----	1	3	4	-	-	-	1	56	46	-	3	11
West Virginia-----	-	-	-	-	-	-	1	24	42	-	-	1
North Carolina-----	2	1	-	1	-	1	2	29	35	-	-	1
South Carolina-----	1	-	-	-	-	1	-	31	49	-	5	6
Georgia-----	-	2	2	-	-	-	1	53	49	2	10	4
Florida-----	1	3	-	-	-	2	-	54	56	-	-	-
EAST SOUTH CENTRAL-----	7	2	8	-	-	2	1	236	242	-	8	14
Kentucky-----	1	1	1	-	-	-	-	57	103	-	5	7
Tennessee-----	1	1	3	-	-	1	1	82	78	-	-	3
Alabama-----	4	-	-	-	-	-	-	30	40	-	3	4
Mississippi-----	1	-	4	-	-	1	-	67	21	-	-	-
WEST SOUTH CENTRAL-----	3	5	3	-	-	7	6	328	410	-	14	11
Arkansas-----	1	1	1	-	-	2	4	70	87	-	2	-
Louisiana-----	-	1	-	-	-	2	1	51	87	-	10	-
Oklahoma-----	2	1	-	-	-	1	-	51	53	-	2	-
Texas-----	-	2	2	-	-	2	1	156	183	-	-	11
MOUNTAIN-----	2	9	3	-	-	2	3	76	127	-	-	3
Montana-----	-	8	-	-	-	-	-	3	5	-	2	-
Idaho-----	-	-	-	-	-	-	-	4	16	-	-	-
Wyoming-----	1	-	-	-	-	1	-	3	6	-	-	-
Colorado-----	-	-	1	-	-	-	2	21	16	-	1	-
New Mexico-----	-	-	1	-	-	-	-	17	57	-	-	-
Arizona-----	1	1	1	-	-	-	1	24	22	-	1	3
Utah-----	-	-	-	-	-	1	-	2	4	-	-	-
Nevada-----	-	-	-	-	-	-	-	2	1	-	-	-
PACIFIC-----	6	8	5	3	-	1	2	118	108	-	6	13
Washington-----	2	-	2	2	-	-	1	3	8	-	-	-
Oregon-----	1	-	3	-	-	-	1	14	13	-	-	-
California-----	3	8	-	1	-	1	-	101	92	-	6	13
Alaska-----	-	-	-	-	-	-	-	1	4	-	-	-
Hawaii-----	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico-----	-	-	1	-	-	3	1	85	48	-	-	-

NUMBER OF DEATHS IN 108 SELECTED CITIES



The chart shows the number of deaths reported for 108 major cities of the United States by week for the current year, and, for comparison, the median of the number of deaths reported for the corresponding weeks of the 3 previous calendar years. (The median is the central one of the three values arranged in order of magnitude.) If a report is not received from a city in time to be included in the total for the current week, an estimate is made to maintain comparability for graphic presentation.

The figures reported represent the number of death certificates received in the vital statistics offices during the week indicated for deaths occurring in that city. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate.

While week-to-week changes in the total number of deaths reported for all major cities generally represent a change in mortality conditions, this may not be true for variations in weekly figures for each city. For example, in a city with a weekly average of 50 deaths, the number of deaths occurring in a week may be expected to vary by chance alone from 36 to 64 ($d \pm 2\sqrt{d}$, where d represents the average number of deaths per week).

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of their populations, and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISION

(By place of occurrence, and week of filing certificate. Exclusive of fetal deaths)

AREA	50th week ended Dec. 15, 1956		50th week ended Dec. 8, 1955		Percent change, week to current week	1956	1955	Percent change
	50th week ended Dec. 15, 1956	50th week ended Dec. 8, 1955	50th week ended Dec. 15, 1956	50th week ended Dec. 8, 1955				
New England----- (14 cities)	750	676	715	715	+4.9	33,621	34,046	-1.2
Middle Atlantic----- (15 cities)	3,104	3,114	2,985	2,985	+4.0	146,158	146,126	+0.0
East North Central----- (15 cities)	1,449	1,572	1,429	1,429	+1.4	71,168	69,878	+1.8
West North Central----- (7 cities)	750	669	651	651	+15.2	33,490	32,490	+2.5
South Atlantic----- (9 cities)	786	901	800	800	-1.7	39,723	38,219	+3.9
East South Central----- (8 cities)	520	554	473	473	+9.9	23,564	23,210	+1.5
West South Central----- (12 cities)	744	833	658	658	+13.1	34,205	31,889	+7.3
Mountain----- (8 cities)	245	262	248	248	-1.2	12,507	11,763	+4.6
Pacific----- (12 cities)	1,459	1,314	1,270	1,270	+14.9	64,047	62,420	+2.6
TOTAL: 100 REPORTING CITIES-----	9,807	9,895	9,124	9,124	+7.5	458,096	450,041	+1.8

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Table 4. DEATHS IN SELECTED CITIES FOR WEEK ENDED DECEMBER 15, 1956

(By place of occurrence, and week of filing certificate. Exclusive of fetal deaths)

CITY	50th week ended Dec. 15, 1956	49th week ended Dec. 8, 1956	CUMULATIVE NUMBER FIRST 50 WEEKS		CITY	50th week ended Dec. 15, 1956	49th week ended Dec. 8, 1956	CUMULATIVE NUMBER FIRST 50 WEEKS	
			1956	1955				1956	1955
NEW ENGLAND					WEST NORTH CENTRAL—Con.				
Boston, Mass.-----	252	240	11,369	11,549	St. Louis, Mo.-----	299	227	11,638	10,960
Bridgeport, Conn.-----	45	37	1,851	1,842	St. Paul, Minn.-----	50	71	3,257	3,185
Cambridge, Mass.-----	39	34	1,468	1,466	Wichita, Kans.-----	(80)	---	---	(1,933)
Fall River, Mass.-----	29	27	1,377	1,365	SOUTH ATLANTIC				
Hartford, Conn.-----	53	36	2,341	2,266	Atlanta, Ga.-----	100	126	5,389	5,218
Lowell, Mass.-----	19	22	1 161	1,271	Baltimore, Md.-----	222	239	11,501	11,199
Lynn, Mass.-----	19	31	1,047	1,115	Charlotte, N. C.-----	42	24	1,489	1,370
New Bedford, Mass.-----	20	25	1,128	1,194	Jacksonville, Fla.-----	(60)	(57)	(2,557)	(2,410)
New Haven, Conn.-----	57	47	2,271	2,126	Miami, Fla.-----	63	53	2,566	2,579
Providence, R. I.-----	77	51	3,064	3,157	Norfolk, Va.-----	28	35	1,629	1,556
Somerville, Mass.-----	11	14	745	743	Richmond, Va.-----	59	89	3,467	3,220
Springfield, Mass.-----	48	44	2,057	2,101	Savannah, Ga.-----	(24)	(32)	(1,430)	(1,414)
Waterbury, Conn.-----	26	21	1,260	1,261	Tampa, Fla.-----	55	63	2,878	2,716
Worcester, Mass.-----	57	47	2,502	2,570	Washington, D. C.-----	179	235	9,065	8,624
MIDDLE ATLANTIC					Wilmington, Del.-----	58	57	1,759	1,737
Albany, N. Y.-----	42	64	2,422	2,358	EAST SOUTH CENTRAL				
Allentown, Pa.-----	(25)	(40)	(1,848)	(1,793)	Birmingham, Ala.-----	87	85	3,827	3,818
Buffalo, N. Y.-----	138	136	7,102	6,753	Chattanooga, Tenn.-----	48	54	2,086	2,197
Camden, N. J.-----	39	38	1,944	1,794	Knoxville, Tenn.-----	32	37	1,617	1,668
Elizabeth, N. J.-----	---	(20)	---	(1,305)	Louisville, Ky.-----	97	119	5,248	5,142
Erie, Pa.-----	35	31	1,628	1,717	Memphis, Tenn.-----	137	108	4,939	4,885
Jersey City, N. J.-----	82	72	3,456	3,426	Mobile, Ala.-----	32	53	1,726	1,452
Newark, N. J.-----	120	79	4,810	4,991	Montgomery, Ala.-----	24	37	1,428	1,293
New York City, N. Y.-----	1,682	1,670	77,420	77,904	Nashville, Tenn.-----	63	61	2,693	2,755
Paterson, N. J.-----	38	47	1,885	1,840	WEST SOUTH CENTRAL				
Philadelphia, Pa.-----	496	499	23,572	23,702	Austin, Tex.-----	25	29	1,355	1,277
Pittsburgh, Pa.-----	174	190	9,071	8,812	Baton Rouge, La.-----	22	24	1,103	1,072
Reading, Pa.-----	---	(29)	---	(1,134)	Corpus Christi, Tex.-----	25	19	991	859
Rochester, N. Y.-----	99	107	4,727	4,724	Dallas, Tex.-----	112	114	5,392	4,896
Schenectady, N. Y.-----	---	(26)	---	(1,111)	El Paso, Tex.-----	28	35	1,349	1,388
Scranton, Pa.-----	(32)	(36)	(1,695)	(1,692)	Fort Worth, Tex.-----	69	77	2,915	2,717
Syracuse, N. Y.-----	58	62	2,938	2,776	Houston, Tex.-----	161	172	6,768	6,276
Trenton, N. J.-----	45	49	2,175	2,361	Little Rock, Ark.-----	50	54	2,306	2,190
Utica, N. Y.-----	32	34	1,534	1,545	New Orleans, La.-----	---	(195)	---	(7,487)
Yonkers, N. Y.-----	24	36	1,474	1,423	Oklahoma City, Okla.-----	75	75	3,133	2,781
EAST NORTH CENTRAL					San Antonio, Tex.-----	83	117	4,396	4,244
Akron, Ohio-----	49	65	2,640	2,605	Shreveport, La.-----	42	37	2,234	1,969
Canton, Ohio-----	35	30	1,429	1,362	Tulsa, Okla.-----	52	80	2,263	2,220
Chicago, Ill.-----	---	(778)	---	(36,229)	MOUNTAIN				
Cincinnati, Ohio-----	134	161	7,522	7,328	Albuquerque, N. Mex.-----	18	19	1,145	1,151
Cleveland, Ohio-----	224	221	10,226	9,797	Colorado Springs, Colo.-----	12	14	648	642
Columbus, Ohio-----	121	123	5,386	5,292	Denver, Colo.-----	96	111	5,360	5,309
Dayton, Ohio-----	---	(77)	---	(3,220)	Ogden, Utah-----	14	15	632	559
Detroit, Mich.-----	323	347	15,739	16,019	Phoenix, Ariz.-----	30	34	1,296	1,206
Evansville, Ind.-----	39	40	1,662	1,579	Pueblo, Colo.-----	16	9	626	615
Flint, Mich.-----	38	49	1,906	1,866	Salt Lake City, Utah-----	48	48	2,232	2,062
Fort Wayne, Ind.-----	33	38	1,776	1,650	Tucson, Ariz.-----	11	12	368	219
Gary, Ind.-----	(33)	(31)	(1,427)	(1,364)	PACIFIC				
Grand Rapids, Mich.-----	42	39	2,026	2,053	Berkeley, Calif.-----	25	24	837	910
Indianapolis, Ind.-----	109	119	5,819	5,530	Long Beach, Calif.-----	56	45	2,666	2,436
Milwaukee, Wis.-----	124	165	6,197	6,205	Los Angeles, Calif.-----	516	494	23,421	22,727
Peoria, Ill.-----	31	25	1,450	1,450	Oakland, Calif.-----	125	80	4,525	4,314
South Bend, Ind.-----	---	(35)	---	(1,253)	Pasadena, Calif.-----	36	39	1,745	1,777
Toledo, Ohio-----	91	98	4,705	4,596	Portland, Oreg.-----	90	95	4,712	4,620
Youngstown, Ohio-----	56	52	2,685	2,546	Sacramento, Calif.-----	65	44	2,434	2,421
WEST NORTH CENTRAL					San Diego, Calif.-----	99	56	3,754	3,657
Des Moines, Iowa-----	57	47	2,507	2,549	San Francisco, Calif.-----	215	190	9,492	9,129
Duluth, Minn.-----	23	32	1,291	1,262	Seattle, Wash.-----	135	147	6,280	6,316
Kansas City, Kans.-----	---	(27)	---	(1,671)	Spokane, Wash.-----	49	60	2,288	2,268
Kansas City, Mo.-----	118	107	5,401	5,490	Tacoma, Wash.-----	48	40	1,893	1,845
Minneapolis, Minn.-----	138	125	5,956	5,876	Honolulu, Hawaii-----	(47)	(40)	(1,737)	(1,763)
Omaha, Nebr.-----	65	60	3,253	3,168					

Symbols.—parentheses [()] : data not included in table 3; 3 dashes [---] : data not available.

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